

REVISED FINAL TABLE 1 - ACTUAL PROJECT INSTALLATION COSTS

Silver Lake-Locust Island Watershed
Salem County, New Jersey

Item	Number	Cost		
		PL 566	Other	Total
<u>LAND TREATMENT MEASURES</u>				
Contour Farming	6 ac.	-	15	15
Cover Cropping	372 ac.	-	744	744
Pasture Planting	170 ac.	-	2,975	2,975
Conservation Crop Rotation	702 ac.	-	10,530	10,530
Wildlife Borders	4 ac.	-	168	168
Crop Residue Management	478 ac.	-	2,390	2,390
Wildlife Area Improvement	200 ac.	-	18,720	18,720
TOTAL LAND TREATMENT			35,542	35,542
<u>STRUCTURAL MEASURES</u>				
Construction				
Dikes	2.3 mi.	194,539	51,963	246,502
Repair Work	1 job	163,712	39,415	203,127
Total Construction		358,251	91,378	449,629
Installation Services				
Engineering Services		49,886	-	49,886
Other		32,149	-	32,149
Repair Work Services		62,623	-	62,623
Total Installation Services		144,658	-	144,658
Other Costs				
Land, Easements and R/W		-	3,000	3,000
Contract Administration		-	1,900	1,900
Total Other Costs			4,900	4,900
TOTAL STRUCTURAL		502,909	96,278	599,187
TOTAL PROJECT		502,909	131,820	634,729

May, 1977

NEW JERSEY
Silver Lake-Locust Island Project (P.L. 566) Salem County

The project in brief. Authorized-May 22, 1957. Estimated completion--in fiscal year 1962. Area--5,590 acres (all privately owned). Sponsors--Salem-Cumberland Soil Conservation District, Locust Island Meadow Company, Thorofare Meadow Company, and Township of Lower Alloways Creek. Estimated total cost \$241,000 (\$183,000 Federal and \$58,000 non federal). Principal problems--tidal flooding and poor drainage of agricultural and wildlife lands. Land ownership and use--20% tenant operated; 2,700 acres cropland, 300 acres grassland, 300 acres woodland, and 2,100 acres marshland.

Progress in land treatment. None of the planned land treatment measures have been applied. Of the 37 farmers in the project, 25 are district cooperators and 13 have basic farm conservation plans. Estimated cost of land treatment is \$16,000.

Progress in structural measures. A contract has been let on the entire project in the amount of \$180,000, about 32% more than the work plan estimates. Construction has not started to date. Total estimated Federal cost of structures is \$142,000. The non federal cost, estimated at \$38,000, will be paid by the Thorofare Meadow Company and the County of Salem. The Thorofare Meadow Company negotiated the first FHA loan under P.L. 566 for their share of the cost.

Progress in obtaining easements and rights-of-way. Easements and rights-of-way, valued at \$4,000 were acquired by the sponsoring local organizations from 14 landowners. This work was done by a committee consisting of Lewis Fogg, Manager of the Thorofare Meadow Company, John Pancoast, treasurer of the Thorofare Meadow Company and William R. Smith, Attorney. The Township of Lower Alloways Creek paid for the easements. The easements and rights-of-way covered 12,400 feet of dike and sluiceways.

Effectiveness of project proved. No installation on which to base an evaluation.

NEW JERSEY

Silver Lake-Locust Island Project (P.L. 566) Salem County

The project in brief. Authorized-May 22, 1957. Estimated completion--fiscal year 1962. Area--5,590 acres (all privately owned.) Sponsors--Salem-Cumberland Soil Conservation District, Locust Island Meadow Company, Thorofare Meadow Company, and the Township of Lower Alloways Creek. Estimated total cost--\$276,000 (\$214,000 Federal and \$62,000 non-Federal.) Principal problems--tidal flooding and poor drainage of agricultural and wildlife lands. Land ownership and use--20% tenant operated; 2,700 acres cropland, 300 acres grassland, 300 acres woodland, and 2,100 acres marshland.

Progress in land treatment. About 4% of the planned land treatment measures have been applied. Of the 37 farmers in the project, 23 are district cooperators and 13 have basic conservation plans.

Progress in structural measures. A contract has been let on the entire project in the amount of \$201,000, about 48% more than the work plan estimates. The work is about 85% completed. Total estimated Federal cost of structures is \$159,000. The non-Federal cost, estimated at \$42,000, will be paid by the Thorofare Meadow Company and the County of Salem. The Thorofare Meadow Company negotiated the first FHA loan under P.L. 566 for their share of the cost.

Progress in obtaining easements and rights-of-way. Easements and rights-of-way, valued at \$4,000, were acquired by the sponsoring local organizations from 14 landowners. This work was done by a committee consisting of Lewis Fogg, Manager of the Thorofare Meadow Company, John Pancoast, Treasurer of the Thorofare Meadow Company and William R. Smith, Attorney. The Township of Lower Alloways Creek paid for the easements. The easements and rights-of-way covered 12,400 feet of dike and the sluiceways.

Effectiveness of project proved. The dikes have not been effective long enough to allow enhanced use of the land behind them.

Silver Lake-Locust Island Project (P.L. 566) Salem County

The project in brief. Authorized - May 22, 1957. Estimated completion - in the fiscal year 1962. Area - 5,590 acres (all privately owned). Sponsors - Salem-Cumberland Soil Conservation District, Locust Island Meadow Company, Thorofare Meadow Company, and the Township of Lower Alloways Creek. Estimated total cost - \$350,000 (\$279,000 Federal and \$71,000 non-Federal). Principal problems - tidal flooding and poor drainage of agricultural and wildlife lands. Land ownership and use - 20% tenant operated; 2,700 acres of cropland, 300 acres of grassland, 300 acres of woodland, and 2,100 acres of marshland.

Progress in land treatment. About 22% of the planned land treatment measures have been applied. Of the 37 farmers in the project, 25 are district cooperators and 15 have basic conservation plans. Estimated cost of land treatment is \$16,000.

Progress in structural measures. A contract has been let on the entire project in the amount of \$240,000, about 92% more than the work plan estimates. The contract is closed, but additional work in establishing vegetation on dikes and raising low areas on the Silver Lake dike will be undertaken by force account procedures estimated to cost \$21,000. The work is about 92% completed. Total estimated Federal cost of structures is \$206,000. The non-Federal share of the cost of structural measures will be paid by the Thorofare Meadow Company and the County of Salem. The Thorofare Meadow Company negotiated the first FHA loan under P.L. 566 for their share of the cost.

Progress in obtaining easements and rights-of-way. Easements and rights-of-way valued at \$4,000 were acquired by the sponsoring local organization from 14 landowners. This work was done by a committee consisting of Lewis Fogg, Manager of the Thorofare Meadow Company; John Pancoast, Treasurer of the Thorofare Meadow Company; and William R. Smith, attorney. The Township of Lower Alloways Creek paid for the easements and rights-of-way which cover the entire 12,400 feet of dike and the tidegates. The easements and rights-of-way cover all planned structural measures.

Effectiveness of project proved. In March 1961, tides occurred that were nearly as high as those of August 1955. Whereas the 1955 tide inundated over 300 acres of cropland 1200 acres of marsh, complete protection was given against the March 1961 tide. Use of the marsh by waterfowl in the spring of 1961 was fantastic. Local residents can't recall ever seeing as many muskrat houses in the Locust Island marsh as there were this spring. Many acres of cropland that were under water a year ago have been planted this spring, the first time since 1955. The mosquito population is noticeably reduced.

NEW JERSEY

Silver Lake-Locust Island Project (P.L. 566) Salem County

The project in brief. Authorized - May 22, 1957. Completed - in the fiscal year 1962. Area - 5,590 acres (all privately owned.) Sponsors - Salem-Cumberland Soil Conservation District, Locust Island Meadow Company, Thorofare Meadow Company, and the Township of Lower Alloways Creek. Total cost - \$365,520 (\$273,115 Federal and \$92,405 non-Federal.) Principal problems - tidal flooding and poor drainage of agricultural and wildlife lands. Land ownership and use - 20% tenant operated; 2,700 acres of cropland, 300 acres of grassland, 300 acres of woodland, and 2,100 acres of marshland.

Progress in land treatment. 220% of the planned land treatment measures have been applied. Of the 37 farms in the watershed, 25 are district cooperators and 15 have basic plans. Estimated cost of land treatment is \$35,500. Principal practices are contour farming, 6 acres, 12% of planned; covercropping, 372 acres, 186% of planned; pasture planting, 170 acres, 170% of planned; conservation crop rotations, 702 acres, 351% of planned; wildlife borders, 4 acres, 80% of planned; crop residue management, 478 acres, 119% of planned; and wildlife area improvement, 936 acres, 234% of planned.

Progress in structural measures. The structural measures consisting of $3\frac{1}{4}$ miles of dike with necessary vegetative cover are completed at a construction cost of \$246,502, of which \$51,963 was supplied by the local people. The local money was furnished by the County of Salem, the Township of Lower Alloway Creek, and The Thorofare Meadow Company. The Thorofare Meadow Company negotiated the first F.H.A. loan under Public Law 566 for their share of the cost.

Progress in obtaining easements and rights-of-way. Easements and rights-of-way valued at \$4,000 were acquired by the sponsoring local organization from 14 landowners. This work was done by a committee consisting of Lewis Fogg, Manager of the Thorofare Meadow Company; John Pancoast, Treasurer of the Thorofare Meadow Company; and William R. Smith, attorney. The easements and rights-of-way cover all planned structural measures.

Effectiveness of project proved. In March 1961, and again in March 1962, tides occurred that were nearly as high as those of August 1955. Whereas the 1955 tide inundated over 300 acres of cropland and 1,200 acres of marsh, complete protection was given against the March 1961, and 1962, tide. Use of the marsh by waterfowl in the spring of 1961 was fantastic. Local residents can't recall ever seeing as many muskrat houses in the Locust Island marsh as there are at present. Many acres of cropland that were under water a year ago have been planted. The mosquito population is noticeably reduced.

3/23/1883

AN ACT TO AUTHORIZE AND ENABLE SMALL LAND OWNERS TO DRAIN
AND IMPROVE THEIR LANDS.

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1. Be it enacted by the Senate and General Assembly of the State of New Jersey, That it shall and may be lawful for the owner or owners of any meadow, swamp or other lands, improved or otherwise, lying or being so situate that it cannot be drained sufficiently for the effectual improvement of the same, without clearing out, cutting down and lowering the bed of creeks or natural water-courses, or cutting, opening or clearing out ditches or drains into or through the lands owned by or in possession of such person or persons as will not sufficiently clear out, cut down and lower the beds of creeks or natural water-courses, or will not cut, make, clear out and keep open sufficient ditches or drains in or through the lands so owned or possessed by them, or will not assist others in such drainage, and who may desire the same, to apply to the two surveyors of the highways and the chosen freeholder of the township in which the lands lie, who are hereby directed and required, upon ten days' notice in writing, signed by the applicant or applicants, their agent or attorney, given for that purpose, as well to the person or persons who may in any way be benefited by the said drainage as to the surveyors and freeholder, particularly specifying the time and place of meeting; and when the said surveyors and freeholder or a majority of them so met, on due proof being made to them that the required notice has been given to all persons to be affected by the said drainage, and who will be benefited thereby, on which the said surveyors and freeholder shall decide, and their decision shall be final and conclusive; and the said surveyors and freeholder having taken an oath or affirmation to act faithfully and impartially, shall proceed to view the premises, and shall, if they think the application necessary and reasonable, order and direct the applicant or applicants, in writing, to clear out, cut down and lower the beds of creeks or natural water-courses, or cut, open, clear out ditches or drains sufficient to drain and improve the same, giving the location, direction, depth and width said ditch or drain shall be cut, made, cleared out and opened, and the depth and width said creek or natural water-course shall be cleared out, cut down, straightened and the bed of the same lowered, and at the same time apportion to each land owner who may be in any way benefited by said proposed drainage his share of the expense of said drainage, as well as the expense of the application and the fees of the surveyors and freeholder in proportion to the amount of benefits to be derived therefrom; provided, however, that the total cost of such improvement shall not exceed the sum of one thousand dollars.

2. And be it enacted, That after the surveyors and freeholder have met and ordered the improvement to be made, they may proceed to have the beds of creeks and natural water-courses cleared out and lowered and the ditches or drains cut, opened and cleared out as directed in the order made by the surveyors and freeholder, either by contract or by day's labor, keeping a correct account of all expenses incurred in and by the same; and assess from time to time, as the work progresses, each land owner with his share of the expenses incurred, in accordance with the apportionment made by the surveyors and freeholder.

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3. And be it enacted, That the applicant or applicants shall, in person or by notice in writing left at the usual place of abode of each owner, demand of and from each owner, ten days before the time of payment, the sum assessed as aforesaid, together with a statement of money expended up to the time the assessment is made; and if any of the said owners shall neglect or refuse to pay the sum assessed as aforesaid, for the space of ten days after the time fixed for the payment thereof, it shall and may be lawful for the applicant or applicants, their agents or attorneys to collect the same by action of debt, with costs of suit, in any court where the same may be cognizable.

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4. And be it enacted, That when any surveyor of highways or chosen freeholder of any township, in or through which any ditch, drain or water-course is proposed to be laid out or renewed, repaired or lowered, shall be interested for or against the same, application shall be made to any surveyor of the highways or chosen freeholder of any adjacent township of the same county, in place of the surveyor of the highways or chosen freeholder so interested as aforesaid, who, in conjunction with such other surveyors and freeholder as may by law be authorized to act in the premises, shall exercise the powers and perform the duties conferred and enjoined by this act.

5. And be it enacted, That this act shall be deemed a public act, and shall take effect immediately.

Approved March 23, 1883.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Washington 25, D. C.

April 19, 1956

To : State and Territorial Conservationists, SCS

From : D. A. Williams, Administrator, SCS

Subject: Authorization for Providing Planning Assistance on Public Law 566
Watershed Applications

You are authorized to provide planning assistance to the following Local Organizations, on the specified watersheds, for making investigations and surveys as may be necessary to develop Watershed Work Plans under the authority of Public Law 566, the Watershed Protection and Flood Prevention Act:

<u>State</u>	<u>Watershed</u>	<u>Area Ac.</u>	<u>County</u>	<u>Local Organization</u>
Idaho	Fourth of July Creek	17,100	Kootenai	Kootenai County SCD Kootenai County Drainage Dist #1
Nevada	Starr Valley	194,650	Elko	Starr Valley SCD
New Jersey	Silver Lake - Locust Island Area	5,750	Salem	Salem-Cumberland SCD Locust Island Meadow Company Thorofare Meadow Company
	Town Bank Area	2,500	Salem	Salem-Cumberland SCD City of Salem
North Dakota South Dakota	Wild Rice Creek	240,000	Sargent, N. Dak. Marshall, S. Dak.	Sargent County SCD Wild Rice SCD Marshall County SCD
Texas	Elm Creek	46,000	Bexar	Alamo SCD San Antonio River Authority
	Sulphur Creek	92,800	Lampasas Burnet	Hill Country SCD County Commissioners Court of Lampasas City of Lampasas

STC -
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5598

2 - State and Territorial Conservationists, SCS

<u>State</u>	<u>Watershed</u>	<u>Area Ac.</u>	<u>County</u>	<u>Local Organization</u>
Vermont	Upper Missisquoi River	132,400	Orleans Franklin	Orleans County SCD Franklin County SCD

This approval is granted with the understanding that you will re-confirm with each Local Organization their desire to proceed with completion of a work plan under the prescribed cost-sharing and related requirements.

Assistance on additional watersheds will be authorized as rapidly as planning facilities will permit.

H. Williams



Washington 25, D. C.

May 24, 1957

~~The Honorable~~
The Secretary of the Interior

Dear Mr. Secretary:

This is to inform you that Federal assistance has been authorized for the installation of works of improvement in the Silver Lake - Locust Island Watershed, New Jersey, under the authority of the Watershed Protection and Flood Prevention Act, as amended.

Enclosed for your information are a copy of the Watershed Work Plan and a copy of our authorizing memorandum to the State Conservationist.

Sincerely yours,

D. Williams

Administrator

Enclosures

cc: Frank C. Edminster, SCS
New Brunswick, New Jersey
F. H. Larson, SCS
Upper Darby, Pennsylvania



United States
Department of
Agriculture

Soil
Conservation
Service

File
1370 Hamilton Street
P. O. Box 219
Somerset, New Jersey 08873

SUBJECT: WS-18 Fund Management

DATE: June 12, 1979

TO:

R. M. Davis, Administrator
USDA-Soil Conservation Service
Washington, D. C. 20013

Funds in the amount of \$140,000 are requested for the purpose of stabilizing the dike on the Silver Lake-Locust Island Project. This work was authorized by letter of July 3, 1978.

Construction plans and specifications are complete and the sponsors have acquired all needed land rights.

Plater T. Campbell
Plater T. Campbell
State Conservationist

cc: C. J. Gillman
H. C. Keammerer
C. J. Montana
R. H. Marston

PTC/RHM/lcp





United States
Department of
Agriculture

Soil
Conservation
Service

Northeast TSC
1974 Sproul Road
Broomall, PA 19008

3 rec'd
2-Montana
Campbell
Montana
Mungia *File*

SUBJECT: EN-7-Reports- Trip to New Jersey - Oman & Thomas - October 15, 1979 - Silver Lake-Locust Island DATE: October 16, 1979

TO: Plater Campbell
State Conservationist
Soil Conservation Service
Somerset, New Jersey 08873

Purpose

To inspect the rubble on the Silver Lake-Locust Island dike and decide whether or not it needs to be removed prior to installation of the riprap bank protection.

Participants

New Jersey - Carl Montana, Bill Irwin, Ron Gronwald, Jack Haldeman

NETSC - Gerald Oman, Lloyd Thomas

Background & Activity

The amount of rubble on the dike was underestimated in design. It is generally broken concrete and bricks and is durable. The section of dike at the locations under consideration is adequate.

Recommendations

1. Leave the rubble in place which is above the key section of the riprap.
2. Place fill over the rubble to protect the filter fabric from sharp edges of the rubble.
3. Install the fabric and riprap as designed.

Gerald E. Oman

Gerald E. Oman
Head, Design Section

Lloyd E. Thomas

Lloyd Thomas
Construction/Design Engineer



UNITED STATES DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

1370 Hamilton Street, P.O. Box 219, Somerset, NJ 08873


SUBJECT: WS - Repair Work Completion -
Silver Lake - Locust Island Watershed,
New Jersey

DATE: April 16, 1976

TO: R. M. Davis, Administrator
USDA - Soil Conservation Service
Washington, D.C. 20250

The repair work on the tide gate structures in the Silver Lake - Locust Island Watershed was completed in October 1975, and the project is once again being closed out as of April 30, 1976.

A final Table 1 and corresponding final Field Cost Estimate, Form SCS-WS-207, will be forwarded as soon as the necessary information is available.


CHESTER F. BELLARD
State Conservationist

cc: A. C. Addison, Broomall, PA
A. B. Holland, Broomall, PA
L. R. Irelan, Seabrook, NJ
B. E. Osterquist, Somerset, NJ


CFB:JAM:cm 





United States
Department of
Agriculture

Soil
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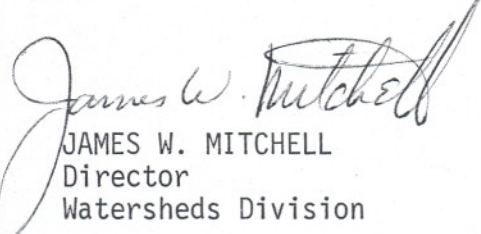
P.O. Box 2890
Washington, D.C.
20013

SUBJECT: WS - Public Law 83-566 - Silver Lake
Locust Island Watershed, New Jersey

DATE: JAN 28 1980

TO: Plater T. Campbell, State Conservationist, SCS,
Somerset, New Jersey

This is in response to your request of January 10, 1980 for approval of installation of timber bollards to protect the dike from damage caused by off road vehicles. We are hereby approving this request.


JAMES W. MITCHELL
Director
Watersheds Division

cc:

Cletus J. Gillman, Director, NETSC, SCS, Broomall, Pennsylvania
Lincoln F. Gallacher, Director, Administrative Services Division, SCS,
Washington, D.C.







